WEST

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Main Menu | Search Form | Posting Counts | Show S Numbers | Edit S Numbers | Preferences | Cases

Search Results -

Term	Documents
SPLICE	35501
SPLOUSE	0
SPLOUSES	0
(4 AND SPLICE).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	36
(L4 AND (SPLICE)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	36

Database: US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L5

Refine Search

Recall Text Clear

Search History

DATE: Monday, August 18, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND			
L5	L4 and (splice)	36	L5
L4	L3 same (MAP)	127	L4
L3	(kinase adj phosphatase)	1322	L3
L2	L1 and (kinase adj phosphatase)	2	L2
L1	Wei-Ming-hui.in.	93	L1

END OF SEARCH HISTORY

(MKP-1), and contains [redacted]eral acid donor and active site [redacted]otif for its activity. Computer-assi[redacted]ed molecular modeling suggested [redacted]hat this novel phosphatase would...
...REGISTRY NUMBERS: *MAP* *KINASE* *PHOSPHATASE*-1
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: *MAP* *kinase* *phosphatase*-1 (MKP-1...

...*dual*-*specificity* *phosphatase*;

6/3,K/13 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

10742230 BIOSIS NO.: 199799363375
The dual specificity mitogen-activated protein kinase phosphatase-1 and 2 are induced by the p42/p44-MAPK cascade.
AUTHOR: Brondello Jean-Marc; Brunet Anne; Pouyssegur Jacques; McKenzie Fergus R(a)
AUTHOR ADDRESS: (a)Univ. Nice, Cent. Biochem., CNRS UMR 134, Parc Valrose, 06108 Nice Cedex 02**France
JOURNAL: Journal of Biological Chemistry 272 (2):p1368-1376 1997
ISSN: 0021-9258
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Mitogen-activated protein (*MAP*) *kinase* *phosphatase*-1 (MKP-1) and MKP-2 are two members of a recently described family of dual specificity phosphatases that are capable of dephosphorylating p42/p44...
MISCELLANEOUS TERMS: ...*DUAL* *SPECIFICITY* *PHOSPHATASE*;
?ds

Set	Items	Description
S1	506	(MAP (W) KINASE (W) PHOSPHATASE)
S2	7	S1 AND REVIEW
S3	6	RD (unique items)
S4	0	S1 AND ((DSP-15) OR (DSP (W) 15))
S5	28	S1 AND (DUAL (W) SPECIFICITY (W) PHOSPHATASE)
S6	13	RD (unique items)

?logoff
18aug03 15:32:11 User259876 Session D534.2
$1.43 0.446 DialUnits File155
$2.31 11 Type(s) in Format 3
$2.31 11 Types
$3.74 Estimated cost File155
$2.57 0.458 DialUnits File5
$7.00 4 Type(s) in Format 3
$7.00 4 Types
$9.57 Estimated cost File5
$3.27 0.354 DialUnits File73
$10.20 4 Type(s) in Format 3
$10.20 4 Types
$13.47 Estimated cost File73
OneSearch, 3 files, 1.258 DialUnits FileOS
$1.86 TELNET
$28.64 Estimated cost this search
$29.00 Estimated total session cost 1.350 DialUnits

Status: Signed Off. (8 minutes)

Status: Path 1 of [Dialog Information Services via Modem]

Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
 ******** HHHHHHHH SSSSSSSS?
Status: Signing onto Dialog
 ****
ENTER PASSWORD:
 ******** HHHHHHHH SSSSSSSS? ********
Welcome to DIALOG
Status: Connected

Dialog level 02.19.00D

Last logoff: 15aug03 09:29:08
Logon file001 18aug03 15:24:38
           *** ANNOUNCEMENT ***
                      ***
--File 654 - US published applications from March 15, 2001 to the
present are now online. Please see HELP NEWS 654 for details.

                      ***
--File 581 - The 2003 annual reload of Population Demographics is
complete. Please see Help News581 for details.

                      ***
                     ***
--File 990 - NewsRoom now contains February 2003 to current records.
File 992 - NewsRoom 2003 archive has been newly created and contains
records from January 2003. The oldest months's records roll out of
File 990 and into File 992 on the first weekend of each month.
To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new
OneSearch category.
                      ***
--Connect Time joins DialUnits as pricing options on Dialog.
See HELP CONNECT for information.
                      ***
                      ***
--SourceOne patents are now delivered to your email inbox
as PDF replacing TIFF delivery. See HELP SOURCE1 for more
information.
                      ***
--Important news for public and academic
libraries. See HELP LIBRARY for more information.
                      ***
--Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                      ***
NEW FILES RELEASED
***World News Connection (File 985)
***Dialog NewsRoom - 2003 Archive (File 992)
***TRADEMARKSCAN-Czech Republic (File 680)
***TRADEMARKSCAN-Hungary (File 681)
***TRADEMARKSCAN-Poland (File 682)
                      ***
UPDATING RESUMED
                      ***
RELOADED
***Population Demographics -(File 581)
***CLAIMS Citation (Files 220-222)

REMOVED

```
                    ***
      >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
      >>>    of new databases, price changes, etc.      <<<
                    ****
KWIC is set to 50.
HILIGHT set on as '*'
* * * * See HELP NEWS 225 for information on new search prefixes
and display codes

***                                    ***


File   1:ERIC  1966-2003/Aug 13
       (c) format only 2003 The Dialog Corporation

      Set  Items  Description
      ---  -----  -----------
Cost is in DialUnits
?b 155, 5, 73
       18aug03 15:24:49 User259876 Session D534.1
            $0.32    0.092 DialUnits File1
     $0.32  Estimated cost File1
     $0.04  TELNET
     $0.36  Estimated cost this search
     $0.36  Estimated total session cost   0.092 DialUnits


SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R)  1966-2003/Aug W3
        (c) format only 2003 The Dialog Corp.
*File 155: Medline has been reloaded and accession numbers have
changed.  Please see HELP NEWS 155.
  File   5:Biosis Previews(R)  1969-2003/Aug W2
        (c) 2003 BIOSIS
  File  73:EMBASE  1974-2003/Aug W2
        (c) 2003 Elsevier Science B.V.
*File  73: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.

      Set  Items  Description
      ---  -----  -----------
?s (MAP (w) kinase (w) phosphatase)
         167199  MAP
         580852  KINASE
         262399  PHOSPHATASE
      S1    506  (MAP (W) KINASE (W) PHOSPHATASE)
?s s1 and review
            506  S1
        1380484  REVIEW
      S2      7  S1 AND REVIEW
?rd
...completed examining records
      S3      6  RD (unique items)
?t s3/3,k/all

 3/3,K/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2003 The Dialog Corp. All rts. reserv.

14358479   22179876   PMID: 12191622
  Modulation of protein kinase signaling by protein phosphatases and
inhibitors.
  Zhang Zhong-Yin; Zhou Bo; Xie Laiping; et al
  Department of Molecular Pharmacology, Albert Einstein College of
Medicine, 1300 Morris Park Avenue, Bronx, NY 10461, USA.
zyzhang@aecom.yu.edu
```

Pharmacology & therapeutics (England) Feb-Mar 2002, (2-3) p307-17
, ISSN 0163-7258 Journal Code: 7905840
Contract/Grant No.: AI48506; AI; NIAID; CA69202; CA; NCI; GM55242; GM; NIGMS; +
Document type: Journal Article; Review; Review, Academic
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... fundamental role of protein tyrosine phosphorylation in complex and critical signal transduction pathways requires detailed studies of both the kinases and the phosphatases. In this *review*, we first summarize our current understanding of PTP structure and function. We then discuss the molecular basis of PTP substrate specificity, focusing primarily on mitogen-activated protein (*MAP*) *kinase* *phosphatase* 3. We demonstrate that the MAP kinase phosphatases display exquisite substrate specificity requiring extensive protein-protein interactions for precise down-regulation of MAP kinase activity...

3/3,K/2 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

13606138 BIOSIS NO.: 200200234959
Protein tyrosine phosphatases: Structure and function, substrate specificity, and inhibitor development.
BOOK TITLE: Annual *Review* of Pharmacology and Toxicology
AUTHOR: Zhang Zhong-Yin(a)
BOOK AUTHOR/EDITOR: Cho Arthur K; Blaschke Terrence F; Insel Paul A; Loh Horace H: Eds
AUTHOR ADDRESS: (a)Department of Molecular Pharmacology, Albert Einstein College of Medicine, Bronx, NY, 10461**USA E-Mail: zyzhang@aecom.yu.edu
JOURNAL: Annual Review of Pharmacology and Toxicology 42p209-234 2002
MEDIUM: print
BOOK PUBLISHER: Annual Reviews, 4139 El Camino Way, Palo Alto, CA, 94303-0139, USA
ISSN: 0362-1642 ISBN: 0-8243-0442-X (cloth)
DOCUMENT TYPE: Book
RECORD TYPE: Citation
LANGUAGE: English

BOOK TITLE: Annual *Review* of Pharmacology and Toxicology
...REGISTRY NUMBERS: *MAP* *KINASE* *PHOSPHATASE* 3
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ...MKP3 {*MAP* *kinase* *phosphatase* 3, mitogen-activated protein kinase phosphatase 3...

3/3,K/3 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

12197019 EMBASE No: 2003309723
***MAP* *kinase* *phosphatase* 1: A novel mediator of biological effects of glucocorticoids?**
Clark A.R.
A.R. Clark, Kennedy Inst. of Rheumatol. Division, Faculty of Medicine, Imperial College London, 1 Aspenlea Road, Hammersmith, London W6 8LH United Kingdom
AUTHOR EMAIL: andy.clark@ic.ac.uk
Journal of Endocrinology (J. ENDOCRINOL.) (United Kingdom) 01 JUL 2003, 178/1 (5-12)
CODEN: JOENA ISSN: 0022-0795
DOCUMENT TYPE: Journal ; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 98

***MAP* *kinase* *phosphatase* 1: A novel mediator of biological effects of glucocorticoids?**
MEDICAL DESCRIPTORS:
...osteoporosis--prevention--pc; osteoporosis--side effect--si; diabetes mellitus--side effect--si; Cushing syndrome--side effect--si; hypertension --side effect--si; transcription regulation; human; nonhuman; *review*; priority journal

3/3,K/4 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

12086485 EMBASE No: 2003197923
Exploitation of host epithelial signaling networks by respiratory bacterial pathogens
Li J.-D.
J.-D. Li, Gonda Dept. of Cell and Molec. Biol., House Ear Institute, 2100 West Third Street, Los Angeles, CA 90057 United States
AUTHOR EMAIL: jdli@hei.org
Journal Pharmacological Sciences (J. PHARMACOL. SCI.) (Japan) 01 JAN 2003, 91/1 (1-7)
CODEN: JPSTG ISSN: 1347-8613
DOCUMENT TYPE: Journal ; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 47

...cooperates with NF-kappaB to mediate up-regulation of mucin MUC2. Finally, glucocorticoids synergistically enhance NTHi-induced TLR2 expression via specific up-regulation of the *MAP* *kinase* *phosphatase*-1 that, in turn, leads to inactivation of p38 MAP kinase, the negative regulator for TLR2 expression. These studies may bring new insights into the...
MEDICAL DESCRIPTORS:
...therapy--dt; molecular dynamics; upregulation; enzyme activation; down regulation; enzyme inhibition; protein expression; chronic obstructive lung disease--etiology--et; otitis media--etiology--et; drug targeting; *review*

3/3,K/5 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE

12009096 EMBASE No: 2003119632
The epidermal growth factor system in Caenorhabditis elegans
Moghal N.; Sternberg P.W.
P.W. Sternberg, HHMI/Biology, Caltech., 1200 E. Calif. Blvd., Pasadena, CA 91125 United States
AUTHOR EMAIL: PWS@caltech.edu
Experimental Cell Research (EXP. CELL RES.) (United States) 10 MAR 2003, 284/1 (150-159)
CODEN: ECREA ISSN: 0014-4827
DOCUMENT TYPE: Journal ; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 106

...KSR, SUR-8, phosphatase PP2A, and a zinc cation diffusion facilitator. Negative regulators of the RAS pathway include homologs of CBL, GAP-1, ACK, and *MAP* *kinase* *phosphatase*, while negative regulators of the IP3 pathway are enzymes that modify IP3. In addition to its stimulation of RAS activity, the GRB2 homolog SEM-5...
MEDICAL DESCRIPTORS:
...elegans; signal transduction; cell fate; cell specificity; organogenesis ; myoepithelium; ovulation; developmental stage; vulva; regulatory mechanism; homeobox; gene control; chromatin; acetylation; cell viability; precursor cell; nonhuman; *review*; priority journal

3/3,K/6 (Item 4 from file: 73)
DIALOG(R)File 73:EMBASE

11918805 EMBASE No: 2003028630
Identifying regulators of pheromone signalling in the fission yeast Schizosaccharomyces pombe
Didmon M.; Davis K.; Watson P.; Ladds G.; Broad P.; Davey J.
J. Davey, Department of Biological Sciences, University of Warwick, Coventry CV4 7AL United Kingdom
AUTHOR EMAIL: J.Davey@Warwick.ac.uk
Current Genetics (CURR. GENET.) (Germany) 2002, 41/4 (241-253)
CODEN: CUGED ISSN: 0172-8083
DOCUMENT TYPE: Journal ; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 54

...mutant were identified. Some mutants were defective in proteins already known to regulate the pheromone-signalling pathway (Rgs1, Map1, Map2). Our approach also identified the *MAP* *kinase* *phosphatase* Pmp1 as a regulator of the pheromone-response pathway. Although previously shown to regulate other MAP kinase pathways in Sz. pombe, this is the first...
MEDICAL DESCRIPTORS:
yeast; regulatory mechanism; signal transduction; genetic analysis; fungal strain; reporter gene; promoter region; gene isolation; gene mutation; nonhuman; controlled study; *review*; priority journal
?ds

Set	Items	Description
S1	506	(MAP (W) KINASE (W) PHOSPHATASE)
S2	7	S1 AND REVIEW
S3	6	RD (unique items)

```
?s s1 and ((dsp-15) or (dsp (w) 15))
             506  S1
               0  DSP-15
            3349  DSP
         1710959  15
               0  DSP(W)15
      S4       0  S1 AND ((DSP-15) OR (DSP (W) 15))
?s s1 and (dual (w) specificity (w) phosphatase)
             506  S1
          128375  DUAL
          772490  SPECIFICITY
          262399  PHOSPHATASE
             585  DUAL(W)SPECIFICITY(W)PHOSPHATASE
      S5      28  S1 AND (DUAL (W) SPECIFICITY (W) PHOSPHATASE)
?rd
...completed examining records
      S6      13  RD (unique items)
?t s6/3,k/all
```

6/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11880158 99321929 PMID: 10391943
Molecular cloning and characterization of a novel *dual* *specificity* *phosphatase*, MKP-5.
Tanoue T; Moriguchi T; Nishida E
Department of Biophysics, Graduate School of Science, Kyoto University, Sakyo-ku, Kyoto 606-8502, Japan.
Journal of biological chemistry (UNITED STATES) Jul 9 1999, 274 (28) p19949-56, ISSN 0021-9258 Journal Code: 2985121R
Document type: Journal Article
Languages: ENGLISH

Main Citation Owner: N
Record type: Completed

Molecular cloning and characterization of a novel *dual* *specificity* *phosphatase*, MKP-5.

... different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. Here we have cloned and characterized a novel *dual* *specificity* *phosphatase* , which we have designated MKP-5. MKP-5 is a protein of 482 amino acids with a calculated molecular mass of 52.6 kDa and...
... tissues and organs, and its expression in cultured cells is elevated by stress stimuli. These results suggest that MKP-5 is a novel type of *dual* *specificity* *phosphatase* specific for p38 and SAPK/JNK.

...Enzyme No.: Dependent Protein Kinase); EC 2.7.10.- (c-Jun amino-terminal kinase); EC 2.7.10.- (mitogen-activated protein kinase p38); EC 3.1.3.- (*MAP* *kinase* *phosphatase* MKP-5); EC 3.1.3.16 (Phosphoprotein Phosphatase); EC 3.1.3.48 (Protein-Tyrosine-Phosphatase)
Chemical Name: Cell Cycle Proteins; RNA, Messenger; Recombinant Proteins; ras-GRF1; Ca(2+)-Calmodulin Dependent Protein Kinase; c-Jun amino-terminal kinase; mitogen-activated protein kinase p38; *MAP* *kinase* *phosphatase* MKP-5; Phosphoprotein Phosphatase; Protein-Tyrosine-Phosphatase

6/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11710865 99147032 PMID: 10022884

All-trans-retinoic acid inhibits Jun N-terminal kinase by increasing *dual*-*specificity* *phosphatase* activity.

Lee H Y; Sueoka N; Hong W K; Mangelsdorf D J; Claret F X; Kurie J M
Departments of Thoracic/Head and Neck Medical Oncology, University of Texas- M. D. Anderson Cancer Center, Houston, Texas 77030, USA.
Molecular and cellular biology (UNITED STATES) Mar 1999, 19 (3) p1973-80, ISSN 0270-7306 Journal Code: 8109087
Contract/Grant No.: P50 CA70907; CA; NCI; R29 CA67353; CA; NCI
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

All-trans-retinoic acid inhibits Jun N-terminal kinase by increasing *dual*-*specificity* *phosphatase* activity.

... kinase kinase 4-induced signaling events. This effect of t-RA was phosphatase dependent and involved an increase in the expression of the dual-specificity *MAP* *kinase* *phosphatase* 1 (MKP-1). t-RA did not activate MKP-1 expression or inhibit JNK activity in a NSCLC cell line with retinoid receptors that are...

6/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11504166 98389481 PMID: 9724088

Peripheral T lymphocytes from women with breast cancer exhibit abnormal protein expression of several signaling molecules.

Kurt R A; Urba W J; Smith J W; Schoof D D
Laboratory of Cellular Immunology, Robert W. Franz Cancer Research Center, Earle A. Chiles Research Institute, Portland, OR, USA. Robert Kurt@phsor.org
International journal of cancer. Journal international du cancer (UNITED STATES) Sep 25 1998, 78 (1) p16-20, ISSN 0020-7136 Journal Code: 0042124
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM

Record type: Completed

... cancer patients, i.e., defects in T-cell signaling molecules. T lymphocytes from 6 of the 14 patients also exhibited an increased expression of the *dual* *specificity* *phosphatase*, *map* *kinase* *phosphatase* -1 (MKP-1). MKP-1 inactivates MAP kinase and therefore may interfere with the activation of c-jun and c-fos. Abnormalities of I or...

6/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10833112 97184169 PMID: 9030581
Molecular cloning and functional characterization of a novel mitogen-activated protein kinase phosphatase, MKP-4.
Muda M; Boschert U; Smith A; Antonsson B; Gillieron C; Chabert C; Camps M ; Martinou I; Ashworth A; Arkinstall S
Geneva Biomedical Research Institute, Glaxo Wellcome Research and Development S.A., CH-1228 Plan-les-Ouates, Geneva, Switzerland.
Journal of biological chemistry (UNITED STATES) Feb 21 1997, 272 (8) p5141-51, ISSN 0021-9258 Journal Code: 2985121R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... RK/CSBP (p38) mitogen-activated protein (MAP) kinases are target enzymes activated by a wide range of cell-surface stimuli. Recently, a distinct class of *dual* *specificity* *phosphatase* has been shown to reverse activation of MAP kinases by dephosphorylating critical tyrosine and threonine residues. By searching the expressed sequence tag data base (dbEST...
Enzyme No.: EC 3.1.3.- (*MAP* *kinase* *phosphatase* MKP-4); EC 3.1.3.48 (Protein-Tyrosine-Phosphatase)
Chemical Name: DNA, Complementary; *MAP* *kinase* *phosphatase* MKP-4; Protein-Tyrosine-Phosphatase

6/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09928785 21839834 PMID: 11850813
ATM-dependent activation of the gene encoding *MAP* *kinase* *phosphatase* 5 by radiomimetic DNA damage.
Bar-Shira Anat; Rashi-Elkeles Sharon; Zlochover Liat; Moyal Lilach; Smorodinsky Nechama I; Seger Rony; Shiloh Yosef
The David and Inez Myers Laboratory for Genetic Research, Department of Human Genetics and Molecular Medicine, Sackler School of Medicine, Tel Aviv University, Tel Aviv 69978, Israel.
Oncogene (England) Jan 24 2002, 21 (5) p849-55, ISSN 0950-9232 Journal Code: 8711562
Contract/Grant No.: R01 NS31763; NS; NINDS
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

ATM-dependent activation of the gene encoding *MAP* *kinase* *phosphatase* 5 by radiomimetic DNA damage.
... we identified an expressed sequence tag that represented a gene that was induced by DSBs in an ATM-dependent manner. The corresponding cDNA encoded a *dual* *specificity* *phosphatase* of the *MAP* *kinase* *phosphatase* family, MKP-5. MKP-5 dephosphorylates and inactivates the stress-activated MAP kinases JNK and p38. The phosphorylation-dephosphoryla tion cycle of JNK and p38 by...

...Enzyme No.: Ser[redacted]-Threonine Kinases); EC [redacted].10.- (c-Jun amino-terminal kinase); EC 2.7.10.- (mitogen-activated protein kinase p38); EC 3.1.3.- (*MAP* *kinase* *phosphatase* MKP-5); EC 3.1.3.48 (Protein-Tyrosine-Phosphatase)
Chemical Name: RNA, Messenger; ataxia telangiectasia mutated protein; Zinostatin; Mitogen-Activated Protein Kinases; Protein-Serine-Threonine Kinases; c-Jun amino-terminal kinase; mitogen-activated protein kinase p38; *MAP* *kinase* *phosphatase* MKP-5; Protein-Tyrosine-Phosphatase

6/3,K/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09617274 21402979 PMID: 11432864
The mechanism of dephosphorylation of extracellular signal-regulated kinase 2 by mitogen-activated protein kinase phosphatase 3.
Zhao Y; Zhang Z Y
Department of Molecular Pharmacology, Albert Einstein College of Medicine, Bronx, New York 10461, USA.
Journal of biological chemistry (United States) Aug 24 2001, 276 (34) p32382-91, ISSN 0021-9258 Journal Code: 2985121R
Contract/Grant No.: CA69202; CA; NCI
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

The mitogen-activated protein (*MAP*) *kinase* *phosphatase*-3 (MKP3) is a *dual* *specificity* *phosphatase* that specifically inactivates one subfamily of MAP kinases, the extracellular signal-regulated kinases (ERKs). Inactivation of MAP kinases occurs by dephosphorylation of Thr(P) and...

6/3,K/7 (Item 7 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09334664 21092712 PMID: 11162624
Pancreatic tumor cells with mutant K-ras suppress ERK activity by MEK-dependent induction of *MAP* *kinase* *phosphatase*-2.
Yip-Schneider M T; Lin A; Marshall M S
Department of Medicine, Indiana University School of Medicine, Indianapolis, Indiana, 46202, USA. myipschn@iupui.edu
Biochemical and biophysical research communications (United States) Feb 2 2001, 280 (4) p992-7, ISSN 0006-291X Journal Code: 0372516
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Pancreatic tumor cells with mutant K-ras suppress ERK activity by MEK-dependent induction of *MAP* *kinase* *phosphatase*-2.
... phosphatase inhibitor orthovanadate increased the level of ERK phosphorylation, implicating a vanadate-sensitive tyrosine phosphatase in the negative regulation of ERK. Furthermore, expression of a *dual* *specificity* *phosphatase* capable of inactivating ERK known as mitogen-activated protein (*MAP*) *kinase* *phosphatase* -2 (MKP-2) was elevated in most of the pancreatic tumor cell lines and correlated with the presence of active MAP kinase kinase (MEK). Taken...

6/3,K/8 (Item 8 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09089948 20387355 PMID: 10811804

Substrate recognition domains within extracellular signal-regulated kinase mediate binding and catalytic activation of mitogen-activated protein kinase phosphatase-3.

Nichols A; Camps M; Gillieron C; Chabert C; Brunet A; Wilsbacher J; Cobb M; Pouyssegur J; Shaw J P; Arkinstall S

Serono Pharmaceutical Research Institute, Ares-Serono International SA, Plan-les-Ouates 1228, Geneva, Switzerland.

Journal of biological chemistry (UNITED STATES) Aug 11 2000, 275 (32) p24613-21, ISSN 0021-9258 Journal Code: 2985121R

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Mitogen-activated protein (*MAP*) *kinase* *phosphatase*-3 (MKP-3) is a *dual* *specificity* *phosphatase* that inactivates extracellular signal-regulated kinase (ERK) MAP kinases. This reflects tight and specific binding between ERK and the MKP-3 amino terminus with consequent...

6/3,K/9 (Item 9 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

08322738 95010708 PMID: 7925974

The sevenmaker gain-of-function mutation in p42 MAP kinase leads to enhanced signalling and reduced sensitivity to *dual* *specificity* *phosphatase* action.

Bott C M; Thorneycroft S G; Marshall C J

Section of Cell and Molecular Biology, Chester Beatty Laboratories, London, UK.

FEBS letters (NETHERLANDS) Sep 26 1994, 352 (2) p201-5, ISSN 0014-5793 Journal Code: 0155157

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

The sevenmaker gain-of-function mutation in p42 MAP kinase leads to enhanced signalling and reduced sensitivity to *dual* *specificity* *phosphatase* action.

... This increased responsiveness seen in vivo is not due to an increased ability to phosphorylate substrates but appears to reflect a reduced sensitivity to a *MAP* *kinase* *phosphatase* CL100.

6/3,K/10 (Item 10 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

07971534 94037096 PMID: 8221888

MKP-1 (3CH134), an immediate early gene product, is a *dual* *specificity* *phosphatase* that dephosphorylates MAP kinase in vivo.

Sun H; Charles C H; Lau L F; Tonks N K

Cold Spring Harbor Laboratory, New York 11724-2208.

Cell (UNITED STATES) Nov 5 1993, 75 (3) p487-93, ISSN 0092-8674 Journal Code: 0413066

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MKP-1 (3CH134), an immediate early gene product, is a *dual* *specificity* *phosphatase* that dephosphorylates MAP kinase in vivo.

Mitogenic stimulation of cells induces rapid and transient activation of

MAP kinases. Here we report that a growth factor-inducible gene, 3CH134, encodes a *dual* *specificity* *phosphatase* that dephosphorylates and inactivates p42MAPK both in vitro and in vivo. In vitro, 3CH134 protein dephosphorylates both T183 and Y185 in p42MAPK. In serum-stimulated...
... similar conditions. The mutant 3CH134 protein also forms a physical complex with the phosphorylated form of p42MAPK. These findings suggest that 3CH134 is a physiological *MAP* *kinase* *phosphatase*; we propose the name MKP-1 for this phosphatase.

6/3,K/11 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

13581085 BIOSIS NO.: 200200209906
High expression of the *dual*-*specificity* *phosphatase* PYST2 in leukocytes derived from AML patients.
AUTHOR: Levy-Nissenbaum Orlev(a); Sagi-Assif Orit(a); Kapon Dina(a); Hantisteanu Shay(a); Raanani Pia; Avigdor Abraham; Ben-Bassat Isaac; Witz Isaac P(a)
AUTHOR ADDRESS: (a)Cell Research and Immunology, George S. Wise Faculty of Life Sciences, Tel-Aviv University, Tel Aviv**Israel
JOURNAL: Blood 98 (11 Part 1):p582a November 16, 2001
MEDIUM: print
CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001
ISSN: 0006-4971
RECORD TYPE: Abstract
LANGUAGE: English

High expression of the *dual*-*specificity* *phosphatase* PYST2 in leukocytes derived from AML patients.

...ABSTRACT: expressed in leukemic and in remission phase leukocytes derived from 3 different AML patients. Among these genes, PYST2, a newly discovered dual-specificity (Thr/Tyr) *MAP* *kinase* *phosphatase*, was more highly expressed in the leukemic phase leukocytes of all 3 patients as compared to the remission phase leukocytes. Using Northern blot analysis, very...
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ...*dual*-*specificity* *phosphatase*;

6/3,K/12 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

13500943 BIOSIS NO.: 200200129764
Selective activation of JNK pathway by human JKAP, a *dual*-*specificity* *phosphatase* from progenitor cells.
AUTHOR: Juan Todd S-C(a); Chen Alice J; Tan Tse-Hua; Belmont John W; Fletcher Frederick A(a)
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JOURNAL: Blood 98 (11 Part 1):p78a November 16, 2001
MEDIUM: print
CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001
ISSN: 0006-4971
RECORD TYPE: Abstract
LANGUAGE: English

Selective activation of JNK pathway by human JKAP, a *dual*-*specificity* *phosphatase* from progenitor cells.

...ABSTRACT: open reading frame of 205 amino acids. This polypeptide shares homology with several reported dual-specificity phosphatases, such as VH-1 related phosphatase (VHR) and *MAP* *kinase* *phosphatase*-1